

| Result No. | Query | | | ID | Description |
|------------|-------|-------|--------|---------------------|-------------------|
| | Score | Match | Length | | |
| C 1 | 80.4 | 6.1 | 961 | US-10-144-771-31796 | Sequence 31796, A |
| C 2 | 75.2 | 5.7 | 897 | US-10-144-771-39592 | Sequence 39592, A |
| C 3 | 72.2 | 5.4 | 1635 | US-10-203-138A-8641 | Sequence 8641, Ap |
| C 4 | 72.2 | 5.4 | 1973 | US-10-203-138A-3500 | Sequence 3500, Ap |
| C 5 | 63 | 4.8 | 1188 | US-10-144-771-4034 | Sequence 4034, Ap |
| C 6 | 61.6 | 4.6 | 1954 | US-10-144-771-4707 | Sequence 4707, Ap |
| C 7 | 59.6 | 4.5 | 439 | US-10-203-138A-8573 | Sequence 8573, Ap |
| C 8 | 58 | 4.4 | 1075 | US-10-203-138A-7632 | Sequence 7632, Ap |
| C 9 | 58 | 4.4 | 1403 | US-10-203-138A-2529 | Sequence 2529, Ap |
| C 10 | 57.4 | 4.3 | 1972 | US-10-017-161-1981 | Sequence 1981, Ap |
| C 11 | 54.8 | 4.1 | 1231 | US-10-017-161-2047 | Sequence 2047, Ap |
| C 12 | 54.2 | 4.1 | 3489 | US-10-194-046-1 | Sequence 1, Appli |
| C 13 | 53.6 | 4.0 | 1168 | US-10-017-161-2179 | Sequence 2179, Ap |
| C 14 | 52.2 | 3.9 | 3434 | US-09-962-191A-6 | Sequence 6, Appli |
| C 15 | 52.2 | 3.9 | 3434 | US-09-962-191-6 | Sequence 6, Appli |
| C 16 | 51.8 | 3.9 | 135259 | US-10-240-425-1585 | Sequence 1585, Ap |
| C 17 | 51.8 | 3.9 | 135259 | US-60-423-586-24 | Sequence 24, Appl |
| C 18 | 51.8 | 3.9 | 135259 | US-60-427-194-24 | Sequence 24, Appl |
| C 19 | 50.6 | 3.8 | 574 | US-10-203-138A-227 | Sequence 227, App |
| C 20 | 50.6 | 3.8 | 669 | US-10-203-138A-5421 | Sequence 5421, Ap |
| C 21 | 50.6 | 3.8 | 39918 | US-10-017-161-2049 | Sequence 2049, Ap |
| C 22 | 50.4 | 3.8 | 1141 | US-09-806-708B-22 | Sequence 22, Appl |
| C 23 | 49.8 | 3.8 | 3882 | US-10-144-771-3229 | Sequence 3229, Ap |
| C 24 | 48.6 | 3.7 | 1948 | US-10-144-779-622 | Sequence 622, App |
| C 25 | 48.4 | 3.7 | 815 | US-10-144-771-29423 | Sequence 29423, A |
| C 26 | 48.4 | 3.7 | 2123 | US-09-949-004-601 | Sequence 601, App |

RESULT 5
US-10-144-771-4034/c
; Sequence 4034, Application US/10144771
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig

[illegible]

```
; TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF
; FILE REFERENCE: CL001321
; CURRENT APPLICATION NUMBER: US/10/144,771
; CURRENT FILING DATE: 2002-05-15
; NUMBER OF SEQ ID NOS: 47235
; SEQ ID NO 4034
; LENGTH: 1188
; TYPE: DNA
; ORGANISM: HUMAN
US-10-144-771-4034

Query Match      4.8%; Score 63; DB 6; Length 1188;
Best Local Similarity 43.3%; Pred No. 1.1e-05;
Matches 294; Conservative 0; Mismatches 385; Indels 0; Gaps 0;

QY 57 AGCTGTTCCATGTCCTGATGAGTACTCAAGCTGATGATGATGAGTGGTGC 116
    ||||| || ||||| || ||||| ||||| ||||| ||||| ||||| |||||
Db 1100 AGCTGCTGCTGGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1041

QY 117 TGATCTTGGTACTTGTGTTAAATGCGAGACCTAATTTTACTATAATGTTGGTGCCTTA 176
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1040 TGCTCATGGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 981

QY 177 AGGAGAAGCTAATGTTAAATTAACCTTTTCGACGCAATAATGCTGTAGAGGTATATGTT 236
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 980 TGCTCATGGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 921

QY 237 ACCATGCCAAATAACAGAGTAGGCTCTTTACCAATGACAGTGACTAGCTACTTTAGC 296
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 920 TGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 861

QY 297 CACATATCAGTACTTATGTCCTACTGCACTGCACCTTGATGATGAGTACACAGATCT 356
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 860 TGGTGGGGTGGTGCATGGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 801

QY 357 TTTTGTATAGATCAGCGCATATGTTAAATGCAACCTAATTTTACTATAATGGTGG 416
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 800 TGCTGCTGGTGGTGCATGGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 741

QY 417 TTCTCTTAAGTGAAGCTCCCTGGCGTTTAAAGTTTGTGCTGGTGGTGGCGCTGCAGG 476
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 740 TGCTTCTGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 681

QY 477 TGTGTCTGCCCTTACTAGTTAATGTGTACCTTGCCAACTAAACAAACGATTCTCCTGC 536
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 680 TGGTCATGGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 621

QY 537 CACTGCAAGTGCCTAAGCTAATTTAGCCACATATGATGCAATTAATGCTCTACTGGCAC 596
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 620 TGGTGGTGGTGCATGGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 561

QY 597 TGTACTTGTGATGGAGTGACACTTGTGTTTAAATACATCAGCCACATTAATGTTTAAATG 656
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 560 TGGTGGTGGTGCATGGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 501

QY 657 CAGACCTAACTTTTACTATAATGGTGGTCTCCTTAAAGTGAAGCTCCCTGGCGTTTAAAGT 716
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 500 TCATAGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 441

QY 717 TTTTGTGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 735
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 440 TGCTGCTGCTGCAAGTGCC 422

RESULT 6
US-10-144-771-4707/c
; Sequence 4707, Application US/10144771
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig
; TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF
; FILE REFERENCE: CL001321
; CURRENT APPLICATION NUMBER: US/10/144,771
; CURRENT FILING DATE: 2002-05-15
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; NUMBER OF SEQ ID NOS: 47235
; SEQ ID NO 4707
; LENGTH: 1954
; TYPE: DNA
; ORGANISM: HUMAN
US-10-144-771-4707

Query Match      4.6%; Score 61.6; DB 6; Length 1954;
Best Local Similarity 48.6%; Pred. No. 2.7e-05;
Matches 169; Conservative 0; Mismatches 179; Indels 0; Gaps 0;

QY 412 GGTGGTTCCTCTTAAGGTGAAGCTCCCTGGCGTTTAAAGTTTGTGCTGCTGCTGCGCT 471
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 650 GGATTTTGTCCATTGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 591

QY 472 GCAGGTGCTGCTGCGCTTACTAGTTAATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 531
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 590 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 531

QY 532 CCTGCCACTGCAGTGCCTTAAGCTAATTTAGCCACATAATGTAGCAATTAATGTCCTACT 591
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 530 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 471

QY 592 GGCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 651
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 470 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 411

QY 652 AAATGACACACTAATTTTACTATAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 711
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 410 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 351

QY 712 TAAATTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 759
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 350 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 303

RESULT 7
US-10-203-138A-8573/c
; Sequence 8573, Application US/10203138A
; GENERAL INFORMATION:
; APPLICANT: Molecular Dynamics, Inc.
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David K.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; FILE OF INVENTION: ANALYSIS OF GENE EXPRESSION IN BT 474
; FILE REFERENCE: PB 0004 WO 8
; CURRENT APPLICATION NUMBER: US/10/203,138A
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 04 February 2000 (04.02.00)
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 26 May 2000 (26.05.00)
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 03 August 2000 (03.08.00)
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 03 October 2000 (03.10.00)
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 27 September 2000 (27.09.00)
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 21 September 2000 (21.09.00)
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 30 June 2000 (30.06.00)
; NUMBER OF SEQ ID NOS: 15438
; SOFTWARE: Molecular Dynamics Sequence Listing Engine
; SEQ ID NO 8573
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL035419.9
; FEATURE:
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CURRENT FILING DATE: 2002-08-02
PRIORITY APPLICATION NUMBER: US 60/180,312
PRIORITY FILING DATE: 04 February 2000 (04.02.00)
PRIORITY APPLICATION NUMBER: US 60/207,456
PRIORITY FILING DATE: 26 May 2000 (26.05.00)
PRIORITY APPLICATION NUMBER: US 09/632,366
PRIORITY FILING DATE: 03 August 2000 (03.08.00)
PRIORITY APPLICATION NUMBER: GB 24263.6
PRIORITY FILING DATE: 03 October 2000 (03.10.00)
PRIORITY APPLICATION NUMBER: US 60/236,359
PRIORITY FILING DATE: 27 September 2000 (27.09.00)
PRIORITY APPLICATION NUMBER: US 60/234,687
PRIORITY FILING DATE: 21 September 2000 (21.09.00)
PRIORITY APPLICATION NUMBER: US 09/608,408
PRIORITY FILING DATE: 30 June 2000 (30.06.00)
NUMBER OF SEQ ID NOS: 15438
SOFTWARE: Molecular Dynamics Sequence Listing
SEQ ID NO 2529
LENGTH: 1403
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL078472.1
FEATURE:
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL
US-10-03-1389A-2529

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Query Match 4.4%; Score 58; DB 6; Length 1403;
Best Local Similarity 42.6%; Pred. No. 0.00018;
Matches 304; Conservative 0; Mismatches 410; Indels

[illegible]

Query Match 4.3%; Score 57.4; DB 6; Length 1972;
Best Local Similarity 45.5%; Pred. No. 0.00028;
Matches 245. Conservative 0; Mismatches 291; Indels 3

[illegible]


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; FILE REFERENCE: 784CIP2D
; CURRENT APPLICATION NUMBER: US/09/962,191
; CURRENT FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 6
; LENGTH: 3434
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (260)..(2506)
US-09-962-191-6
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Query Match      3.9%; Score 52.2; DB 5; Length 3434;
Best Local Similarity 47.4%; Pred. No. 0.0057;
Matches 156; Conservative 0; Mismatches 173; Indels 0; Gaps 0;

QY  448 GTTTTTCGCTGCTGCTGCCGCTGCAGGTGTTGCTGCCGTTACTAGTTAATGTGTACCT 507
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  1040 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTA 981

QY  508 TGCCAACTAAACAAAACGATTCTCTGCCACTGCAGGTGCCCTAAGCTAATTATAGCCACA 567
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  980 TTCGCTGCACCTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTA 921

QY  568 TAATGTAGCAANTTAATGTCCTACTGCGACTGTACTTTGATGATGGAGTGACACTTTGTTTTT 627
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  920 TTAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTT 861

QY  628 AATACATCAGCCACATTATGTTTAATGCAGACCTAACTTTTACTATATATGTTGTTCT 687
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  860 GGAACCTGCTGCTGCATGGCACTGCTGAGCCCTGGAACCTGCTGCTGCTGCTGCTGCT 801

QY  688 CCTTAAGGTGAAGCTCCTGCGGTTTAAAGTTTTTGTGCTGCTGCTGCCGCTGCAGGTGTT 747
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  800 GCTGCTGCTGTAGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 741

QY  748 GCTGCCGTTACTAGTTAATGTGTACCTTG 776
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db  740 GCAGCCGCCACCTGCTGGAGCTGCAGCTGG 712
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Search completed: February 17, 2003, 01:52:06
Job time : 205.482 secs

